State of California AIR RESOURCES BOARD

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EXECUTIVE ORDER A-15-183 Relating to Certification of New Motor Vehicles

NISSAN MOTOR CO., LTD.

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1991 model-year Nissan Motor Co., Ltd. exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks:

Engine Family: MNS3.0T5FDC2 Displacement: 3.0 Liters (181 Cu. In.)

Exhaust Emission Control Systems and Special Features:

Three-Way Catalyst
Heated Oxygen Sensor
Exhaust Gas Recirculation
Sequential Multi-point Electronic Fuel Injection

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the emission standards for this engine family:

Loaded Vehicle Weight(1bs.)	oaded Vehicle Hydrocarbons Weight(lbs.) (Grams per Mile)		Nitrogen Oxides (Grams per Mile)	
3751-5750	0.50	9.0	1.0	

The following are the certification emission values for this engine family:

Loaded Vehicle Hydrocarbons <u>Weight(lbs.) (Grams per Mile)</u>			Nitrogen Oxides (Grams per Mile)	
3751-5750	0.28	4.4	0.3	

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Code of Regulations, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control Label Specifications" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (California Health and Safety Code Section 43205).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this $\frac{77}{2}$

day of July, 1990.

R. B. Summer field

Assistant Division Chief Mobile Source Division

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17.11.00	19 <u>91</u> AIR RESOU	RCES BO	ARD SUP	PLEMENTAL D	ATA SHEET	. # A - 15 age 6	- 185
Manufactu	rer: NISSAN HOT	OR CO.,	LTD.	Engine Fa	mily: MNS3.OT	5FDC2	
Pass Cars	Lt-Duty T	rucks_	X Hed	-Duty Vehic	lesGas_	X Diese	1
Eng.Type_	V-6, OHC L	iter (C	ID) <u>3.</u>	(180.6)	Evap.Family	F16-3	
Emission	Control Sys.(Us	e SAE A	bbrv.)	TVC/HO2S/E	GR/SMPI		
Engine:Fr	ont X Hid.	Rea	r l)rive:F V D	RVD_X 4	VD-FT	4VD-PT <u>X</u>
	Vehicle Models (If Coded see attachment)	Туре	•	or	Ign. System (ECU) Part No.	Í 1	***
	PATHFINDER 2-DOOR 4X4 SPORT UTILITY SE	· · ·	## 4250		Control Unit MECM-V275		
	HARDBODY 4X4 V6 REGULAR BED		** 3875	14.0	Control Unit MECM-V235		
BV30ECN8	PATHFINDER 4-DOOR 4X2 SPORT UTILITY XE	M 5	## 4000	24.4		•	
DVJVEURO 	PATHFINDER 4-DOOR 4X4 SPORT UTILITY! XE		** 4250			 	
1	HARDBODY 4X4	1		14.5	 Control]	

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyna test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing. **EIV of these models are between 4000 - 5999 lbs.

***The figures and numbers in the place of the mark x are variable according to lot number and production date.

Unit |

I HECH-V235

Issue Date: 03/16/90

SE V6 KING

| CAB

Revision Date:

17.11.00 19 <u>91</u>	AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Page 1	
Manufacturer:_	NISSAN MOTOR CO., LTD. Engine Family: MNS3.0T5FDC2	
Pass Cars	Lt-Duty Trucks X Med-Duty Vehicles Gas X Diesel	
Eng. Type V-6,	OHC Liter (CID) 3.0 (180.6) Evap.Family FI6-3	

Emission Control Sys. (Use SAE Abbrv.) TWC/HO2S/EGR/SMPI Engine:Front X Mid. Rear Drive:FVD RVD X 4WD-FT 4WD-PT

Engine Code 	Vehicle Models (If Coded see attachment)	Туре	Equiv. Test Veight 	or	Ign. System (ECU) Part No.	EGR Valve	*** 	
	PATHFINDER 4-DOOR 4X2 AV30ECA8 SPORT UTILITY XE PATHFINDER 4-DOOR 4X2 BV30ECA8 SPORT UTILITY XE	·		15.5				
I AV30ECA8				16.0	 Control Unit	 	Gxx,xxK i Gxx,xxL i	
		PATHFINDER	L4 40 	4000	14.0	NECH-V285 AI 	AEY77-39 - - -	Gxx,xxB Gxx,xxC
BV30ECA8 			 	14.5				

See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test veights are listed, the lover veight will be used for testing.

EIV of these models are between 4000 - 5999 lbs. *The figures and numbers in the place of the mark x are variable according to lot number and production date.

Issue Date: 03/16/90

Revision Date:

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17.11.00	1991 AIR RESOU	RCES BO	ARD SUP	PLEMENTAL DA	TA SHEET	. #A-15	-/100
					Pa	age2	
Manufactu	rer: NISSAN HOT	OR CO.,	LTD.	Engine Fam	Ily: MMS3.OT	5FDC2	
Pass Cars	Lt-Duty T	rucks	X Med	-Duty Vehicl	esGas_	X Diesel	
Eng.Type_	V-6. OHC L	iter (C	ID) <u>3.</u> 0	(180.6)	Evap.Family	F16-3	
Emission (Control Sys.(Use	SAE A	bbrv.)	TVC/HO2S/EG	R/SMPI_		
Engine:Fro	ont X Nid	Rea	r l	Orive:FWD	RWD_X 4	/D-FT 4	IND-LA
Code	Vehicle Models (If Coded see attachment)	Туре	Test	RLHP or DPA	Ign. System	EGR Valve	Catalysti
			Weight		Part No.	Part No	Part No.
	TRUCK 4X4 1/ SE V8 KING CAB				 Control Unit MECM-V245		
	PATHFINDER 4-DOOR 4X4		## 4250 	14.5 	 Control Unit		
BV30ECA8 	SPORT UTILITY XE	L4) 		NECH-V285 	EGR Valve AEY77-39	
	TRUCK 4X4 1/ V6 REGULAR		** 3875	14.0	 Control Unit NECH-V245		

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyna test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

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Issue Date: 03/18/90

Revision Date: 1/ 08/31/90

17.11.00	1991 AIR RESOU	RCES RO	ARD SUPE	PIEMENTAL DA	E.O. TA SHEET	# <u>A-17</u>	-183
				CONDITING DA		se3	
Manufactu	rer: NISSAN MOT	OR CO	LTD.	Engine Fam	ily: MNS3.OT	FDC2	
Pass Cars	Lt-Duty T	rucks	X Med	-Duty Vehici	es Gas_	X Diesel	
Eng.Type_	V-6. OHC L	iter (C	ID) 3.0	0 (180.6)	Evap.Family	F16-3	
Emission	Control Sys.(Us	e SAE A	bbrv.)	TVC/HO2S/EG	R/SMPI		
Engine:Fr	ont X Mid.	Rea	r	Drive:FWD	_ RWD_X 4	WD-FT	4WD-PT <u>X</u>
Engine Code	Vehicle Models (If Coded see attachment)	Trans.	 Equiv. Test Weight	l or I DPA	Ign. System (ECU) Part No.		
	TRUCK 4X4 1/ V6 REGULAR BED		** 4000	14.0	 Control Unit MECM-V245		
AV30ECA8	 PATHFINDER 4-DOOR 4X4 SPORT UTILITY XE	L4	** 4250	15.5	 Control Unit MECM-V285	AEY77-39	
	TRUCK 4X4 1/ SE V6 KING CAB				Control Unit MECH-V245	 	Gxx,xxC
	PATHPINDER 4-DOOR 4X4 SPORT UTILITY SE			16.0	Control Uint MECH-V285		

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyna test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

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Issue Date: 03/16/90

Revision Date: 1/ 08/31/90

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17.11.00	188T VIK KESOO	KCES DU	AKD SUP	PLEMENIAL D		age4	
Manufactu	rer: NISSAN NOT	OR CO.,	LTD.	Engine Fa	mily: MMS3.07	SFDC2	
Pass Cars	Lt-Duty T	rucks	X Hed	-Duty Vehic	les Gas_	X Diese	el
Eng.Type_	V-6, OHC L	iter (C	ID) <u>3.</u>	0 (180.6)	Evap.Family	F16-3	
Emission	Control Sys.(Us	e SAE A	bbrv.)	TVC/HO2S/E	GR/SMPI		
Engine:Fr	ont X Nid.	Rea	r	Drive:F V D	RWD_X4	WD-FT	4WD-PT X
	Vehicle Models (If Coded see attachment)	Туре		or	Ign. System (ECU) Part No.		
	PATHFINDER 2-DOOR 4X4 SPORT UTILITY SE		 **	•	 Control	 EGR Valve	 Gxx,xxK
AV30ECA8	PATHFINDER 4-DOOR 4X4 SPORT UTILITY	L4	4250	16.0	Unit MECM-V285 	<u>.</u>	Gxx,xxL Gxx,xxB Gxx,xxC

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

*#EIV of these models are between 4000 - 5999 lbs.

###The figures and numbers in the place of the mark x are variable according to lot number and production date.

Issue Date: 03/16/90

Revision Date:

E.O. # A-15-183 17.11.00 1991 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Page 5 Manufacturer: NISSAN HOTOR CO., LTD. Engine Family: HNS3.0T5FDC2 Pass Cars Lt-Duty Trucks X Med-Duty Vehicles Gas X Diesel Eng.Type V-6, OHC Liter (CID) 3.0 (180.6) Evap.Family FI6-3 Emission Control Sys. (Use SAE Abbrv.) TWC/HO2S/EGR/SMPI Engine:Front X Nid. Rear Drive:FWD RWD X 4WD-FT 4WD-PT X **RLHP** IIgn. System EGR Valve Catalyst (ECU) | (If Coded see | Type | Test | · or Code attachment) Weight DPA Part No. | Part No | Part No. TRUCK 4X4 1/ ##| V6 REGULAR 3875 | 14.0 Control BED

Unit

Unit

|EGR Valve|Gxx,xxK

IAEY77-38 | Gxx.xxL

Gxx.xxB

Gxx,xxC

INECH-V235

Control

HECH-V275

Comments: See page one for abbreviations and evaporative	emission
family identification. Please refer to manufacturer's HP 1	ist for
correct dyna test HP settings based on model and equipment.	If two
test weights are listed, the lower weight will be used for test	ing.
≠≠EIW of these models are between 4000 - 5999 lbs.	

4250 I

4000 l

4250

H5

**

14.5

15.5

16.0

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TRUCK 4X4 1/ SE V6 KING

PATHFINDER

PATHFINDER 4-DOOR 4X4

PATHFINDER 4-DOOR 4X4

SPORT UTILITY!

SPORT UTILITY!

SPORT UTILITY

CAB

AV30ECH8 4-DOOR 4X2

E.O.	#A-15-18	2
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Page 6

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: MNS3.0T5FDC2

Pass Cars___ Lt-Duty Trucks_X_ Med-Duty Vehicles___ Gas_X_ Diesel____

Eng. Type V-6, OHC Liter (CID) 3.0 (180.6) Evap. Family FI6-3

Emission Control Sys. (Use SAE Abbrv.) TWC/HO2S/EGR/SMPI

Engine:Front X Mid. Rear Drive:FWD RWD X 4WD-FT 4WD-PT X

	 Vehicle Hodels (If Coded see attachment)	Type	Equiv. Test Veight	RLHP or DPA	Ign. System (ECU) Part No.	EGR Valve	
AV30ECH8	 PATHFINDER 2-DOOR 4X4 SPORT UTILITY SE		## 4250	18.0	Control Unit NECM-V275		
	TRUCK 4X4 1/ V6 REGULAR BED	·	## 3875	14.0	Control Unit MECH-V235		
 	PATHFINDER 4-DOOR 4X2 SPORT UTILITY XE	 H5 	** 4000	14.0	 Control Unit	 EGR Valve AEY77-38	Gxx,xxL Gxx,xxB
BV30ECM8 	PATHFINDER 4-DOOR 4X4 SPORT UTILITY XE		** ** 4250		MECH-V275 		Gxx.xxC
 	TRUCK 4X4 1/ SE.VB KING CAB		 	14.5	 Control Unit MECM-V235		

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyna test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing. ##EIW of these models are between 4000 - 5999 lbs.

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Issue Date: 03/16/90

Revision Date: 1/ 08/31/90